

ZINC OXIDE

Section I

Kurt J. Lesker Company 1925 Worthington Avenue Clairton, PA 15025 Ph: 412/387-9200 Fax: 412/233-4275		Emergency Phone Numbers Chemtrec 800/424-9300 Poison Center 800/562-8236			
Chemical Name and Synonyms Zinc Oxide		l	Date of Last Revision 1/8/91		
Formula ZnO	Chemical Family Metal Oxide			Chemical Abstract No. 1314-13-2	
TSCA Listed				Calc. Molecular Wt. 81.37	

Section II Hazardous Ingredients

Hazardous Ingredients	CAS #	0/0	TLV	OSHA PEL	
Zinc Oxide	1314-13-2	99.6	10mg/m³ tot. dust	15mg/m³ tot. dust	
Lead	7439-92-1	.0025			
Cadmium	7440-43-9	.01			
(respirable dust)			.5mg/m³	.5mg/m³	

Section III Physical Data

Boiling Point (0°C): ND	Density (gmcc): 5.606		
Vapor Pressure: NA	% Volatile by Volume: NA		
Reaction with Water: None	Evaporation Rate (H_2O -1): NA		
Solubility in Water: None	Melting Point (°C): 1875		
Appearance and Odor: White tablets, powder, no odor	Other Comments:		

Section IV Fire & Explosion Hazard Data

Flash Point (method) NA	Autoignition Temp. NA	Flammability Non-flammable	LEI NA	UEI NA				
Extinguishing Media: NA								
Special Fire Fighting Procedures: None								
Unusual Fire and Explosion Hazards: None								

Section V Spill or Leak Process

Steps to be Taken in Case Material is Released or Spilled: Sweep or scoop up and remove.

Waste Disposal Method (Consult federal, state or local authorities for proper disposal procedures.): Dispose of with normal refuse.

Section VI Health Hazard Data

HMIS Hazard Rating Toxicity Data Health: 0 skn-rbt 500mg/24H MOD irritation Flammability: 0 eye-rbt 500mg/24H MOD irritation Reactivity: 0 ihl-hmn TCLO: 600 mg/m³: PULMONARY SYSTEM Personal Protection: B Route(s) of Entry Inhalation: Skin: Ingestion: X Effects of Overexposure (acute and chronic) Inhalation: A nuisance dust. Inhalation of respirable dusts and fumes may cause metal fume fever characterized by fever chills, fatigue, cough, shortness of breath. Lasts 24 hours with no after effects. No chronic effects reported. Dermal/Eye Contact: A mild eye irritant Other (specify): Relatively low toxicity (LDLO oral-rat-6846 mg/kg) Medical Conditions Generally Aggravated by Exposure: ND Carcinogenicity: None IARC Monographs: NTP: OSHA Regulations: Emergency and First Aid Procedures Ingestion: Induce vomiting Inhalation: Remove to fresh air Skin Contact: Flush with soap and water

Section VII Reactivity Data

Eye Contact: Flush to remove

Stable: X
Unstable:

Incompatibility (materials to avoid): None

Hazardous Decomposition Products - Thermal and Other (list): None

Hazardous Polymerization
May Occur:
Will Not Occur: X

Conditions Contributing to Instability: None

Conditions to Avoid: None

Section VIII Special Protective Information

Respiratory Protection (specify type). Use Only Niosh Approved Equip.
Not needed.

Ventilation (always maintain exposure below permissible limits)
Local Exhaust:
Mechanical (general): Use with adequate ventilation
Special:
Other:

Protective Gloves: Not needed

Eye Protection: Safety Glasses

Other Protective Equipment/Work Practices: Normal laboratory wear.

Precautions to be Taken in Handling and Storing: Wash thoroughly after handling. Keep container closed.

Transportation Requirements DOT Class: Not classified UN Number: Not classified IMCO Class: Not classified

Other:

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, the Kurt J. Lesker Company makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon: User should satisfy himself that he had all current data relevant to his particular use.

 ${\tt ND} = {\tt NO} \; {\tt DATA} \; {\tt FOUND} \qquad {\tt NA} = {\tt NOT} \; {\tt APPLICABLE}$